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2 - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.)

5 **[National Centre for Scientific Research]**

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NOVEL HYBRID PROBES WITH HEIGHTENED LUMINESCENCE

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Abstract:

Hybrid probe particles comprising a nanoparticle of gold of diameter in the range extending from 2 to 30 nm on the surface of which, on the one hand, at least one, and preferably from one to 100, organic probe molecules are grafted by gold-sulphur bonds
15 and on the other hand, at least 10, and preferably 10 to 10000, molecules with luminescent activity, as well as their preparation process.

(Figure none).